

Clean Fueling Technologies, Inc.

Design and Manufacture of LPG and
E85 Auto fueling Dispensers and Skid
Systems.

E85 (85% ethanol, 15% gasoline)

- ❑ Designs for ethanol compatible fleet fueling systems must be build to accommodate for E85. This addresses pipe selection, fittings, submersible pumps along with the components build into the fuel dispenser.
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Johnston Space Center/NASA

- ❑ CFT Delivered an E85 compatible skid system to the JSC October 2004. The system featured a Modern Welding 1000 gallon Fireguard Tank with Stage One vapor recovery and a CFT E85 6100 series fuel dispenser. A Fuel Master reader was also integrated for NASA fleet vehicles.
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JSC/NASA E85 Skid Package



JSC/NASA E85 Skid Package



JSC/NASA E85 Skid Package



Monsanto's Grand Island, Nebraska

- ❑ Feature CFT E85 G3100 Series Gilbarco Veeder Root Up fit, NTEP approved against Pub. 14 and meets all Handbook 44 requirements for Retail Motor Fuel Applications.
 - ❑ Modern Welding Above Ground 5000 Gallon Fireguard Tank, E85 Compatible.
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Monsanto's Grand Island, Nebraska



Monsanto's Grand Island, Nebraska



Sparks, Nevada International Airport

- ❑ Features CFT E85 4100 Series pump for fleet fueling of Airport vehicles.
 - ❑ Unit uses Veeder Root Mechanical counter with Dry Contact Pulser for interfacing with Gasboy Card Reader.
 - ❑ Installed January, 2003.
 - ❑ Customer interest was all mechanical without need for field technicians to be familiar with CFT electronics.
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Sparks, Nevada International Airport



Sparks, Nevada International Airport

- ❑ Modern Welding UL-2085 Self Contained 1000 Gallon Tank.
 - ❑ Bravo Box Containment system for ease of installation. Box developed specifically for the CFT 4000 Series foot print.
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Kennedy Space Center/NASA

- ❑ Features CFT hydraulics and pulser system integrated into a Dresser Wayne 3/V387D4/G fuel dispenser.
 - ❑ Designed and developed at CFT in conjunction with Dresser Wayne and Dresser Wayne Sweden.
 - ❑ Delivered December, 2004
 - ❑ CFT currently working to address compliance work on this model in partnership with Dresser Wayne.
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Kennedy Space Center/NASA



Kennedy Space Center/NASA



- ❑ CFT Production Test Rack.
- ❑ Means for setting Meter Calibration per HB 44.
- ❑ Ability to pressure test and run functional checks before shipping.

Kennedy Space Center/NASA

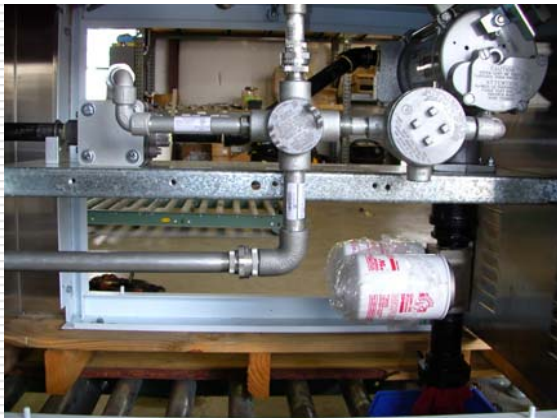


E85 Dispenser Construction



- ❑ ASCO Stainless Steel Solenoid Flow Control Valve 120/60 Electrical Rating.
 - ❑ UL Listed.
 - ❑ CFT currently working with ASCO on 24 Volt proportional valve.
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E85 Dispenser Construction



- ❑ Cim-Tek 50018 dual fuel filter adaptor, NI plated.
 - ❑ Check and Pressure Relief valve, Aluminum flange NI plated.
 - ❑ Cim-Tek $\frac{3}{4}$ " spin on filter, E85 Compatible and UL Recognized.
 - ❑ All Schedule 80 black pipe; however, Schedule 40 black pipe acceptable.
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E85 Dispenser Construction



- ❑ Liqua Tech. LPM-101 Ethanol Compatible Fuel Meter.
 - ❑ Passed two independent NTEP evaluations.
 - ❑ Meter Body Casting all Cast Iron Construction.
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Clean Fueling Technologies, Inc.

- ❑ Both CFT Model and Gilbarco Up Fit Encore Series NTEP Approved.
 - ❑ Dresser Wayne 3/V387D4/G in review for approvals.
 - ❑ CFT Model E85 6000 Series being Submitted to Underwriters Laboratories, Inc. for Listing.
 - ❑ All hanging Hardware supplied through OPW, currently working through UL on nozzle, breakaway and swivel.
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